

PERFORMANCE DATA SHEET

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Monoclonal anti-human TIGIT***mAb name/Clone:** ANCTG6/10A6**Isotype:** Mouse IgG1k**Immunogen:** Recombinant human TIGIT**CATALOG#:** 340-820 (Preservative-free)**QUANTITY:** 100 µg**CONCENTRATION:** 1.0 mg/ml

INFORMATION: Human TIGIT (T cell immunoreceptor with Ig and ITIM domains) is a co inhibitory receptor expressed by activated T cells, memory T cells, Treg cells and NK cells. It binds to CD155(PVR) and less avidly to CD112(PVRL2).

Antibody ANCTG6 binds to receptors on a sub set of human peripheral blood lymphoid cells, as well as to recombinant TIGIT in EIA.

References: 1) Dougall WC, AC Anderson, et al. (2017) *Immunol Rev* **276**(1): 112-120. doi: 10.1111/imr.12518

PMID: 28258695

STORAGE CONDITIONS: Store at 2 - 5°C. Open under aseptic conditions. Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ ficoll prepared human PBMC were washed and pre incubated 10 minutes with 20 ul of 300 ug/ml human IgG (to reduce nonspecific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-TIGIT antibody at 1 µg/ml. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed twice, fixed and analyzed by FACS using a lymphocyte gate. A 29% sub population of cells stained positive with a mean shift of 0.6 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010). Binding was blocked when the reagent was pre incubated with a >10 fold excess of TIGIT-muIg (cat# 556-020).

* *Research Use Only. Not for use in Diagnostic procedures.*

Binding of anti-TIGIT mAb +GAM/FITC to human PBL

